UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO. : 6,951,465 B2
APPLICATION NO. : 10/603,047
ISSUE DATE : Oct. 4, 2005
INVENTOR(S) : SWEETLAND ET AL

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby

Corrected as shown below

THE TITLE PAGE SHOWING ILLUSTRATIVE FIGURE, SHOULD BE DELETED AND SUBSTITUTE THEREFORE THE ATTACHED TITLE PAGE

DELETE DRAWING SHEETS 1-40 AND **SUBSTITUTE** THEREFORE THE DRAWING SHEETS CONSISTING OF FIGS 1-41 AS SHOWN ON THE ATTACHED PAGE.

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Sweetland et al.

(10) **Patent No.: US 6,951,465 B2**
(45) **Date of Patent: Oct. 4, 2005**

(54) **MULTIPLE-CONTACT WOVEN POWER CONNECTORS**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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Related U.S. Application Data

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(60) Provisional application No. 60/348,588, filed on Jan. 15, 2002.

(51) **Int. Cl.**[7] **H01R 12/00**
(52) **U.S. Cl.** **439/67**; 439/329; 439/493
(58) **Field of Search** ..... 439/66–67, 91, 439/591, 482, 493, 329, 496, 930; 361/218; 174/117 M; 29/705

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(57) **ABSTRACT**

Multiple-contact woven power connectors are provided that have at least a first set of loading fibers and at least a first set of conductors. When woven onto a set of loading fibers, the conductors define a space. The loading fibers are capable of delivering contact forces at the contact points of the conductors. The conductors can include a power circuit or a return circuit. The power connectors may also include tensioning springs that are capable of generating tensile loads within the loading fibers. The power connectors may further include mating conductors that can be coupled to the power/return circuits. When disposed within the first and second spaces, respectively, electrical connections between the conductors and the mating conductors can be established.

138 Claims, 40 Drawing Sheets